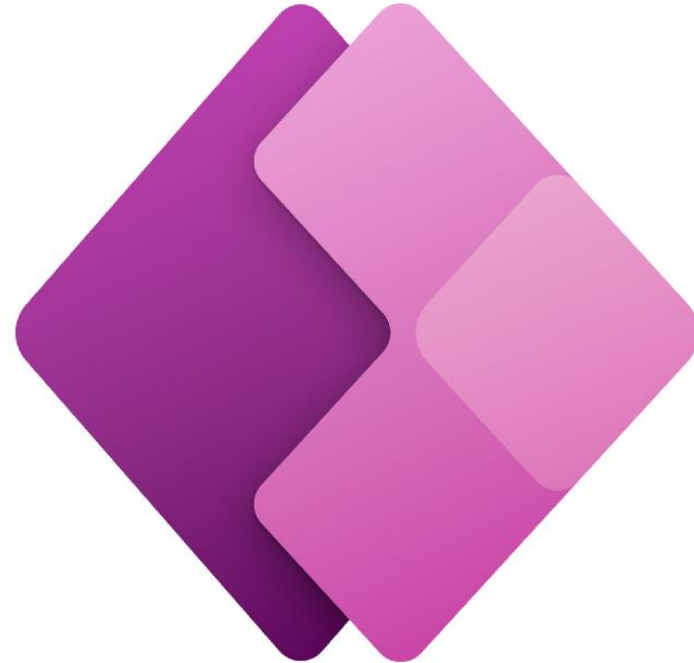


Getting Started with Microsoft Power Apps

Instructor: Jeremy Nathan





Jeremy Nathan



jnathan@jncomputertraining.com



<https://www.jncomputertraining.com>

About Me

Advisor
Technology Trainer
Course Developer
Microsoft Certified Trainer
Independent Contractor

From
Chattanooga, TN



Ask Questions!

Type questions in the Q&A chat and I will do my best to answer all of them.

Tasks in Getting Started with Power Apps course

- 1) Create an **Environment**
- 2) **Data** preparation and linking to data
- 3) Import data to **Dataverse** and Make a Model-driven app
- 4) Power App from **Blank Canvas App** from SharePoint data
- 5) Power App from a **SQL** Table and create a data gateway
- 6) **Power Pages**
- 7) **Share** Apps

Course set-up

To do the tasks with me on your computer, you will need a Microsoft 365 license with access to Power Apps

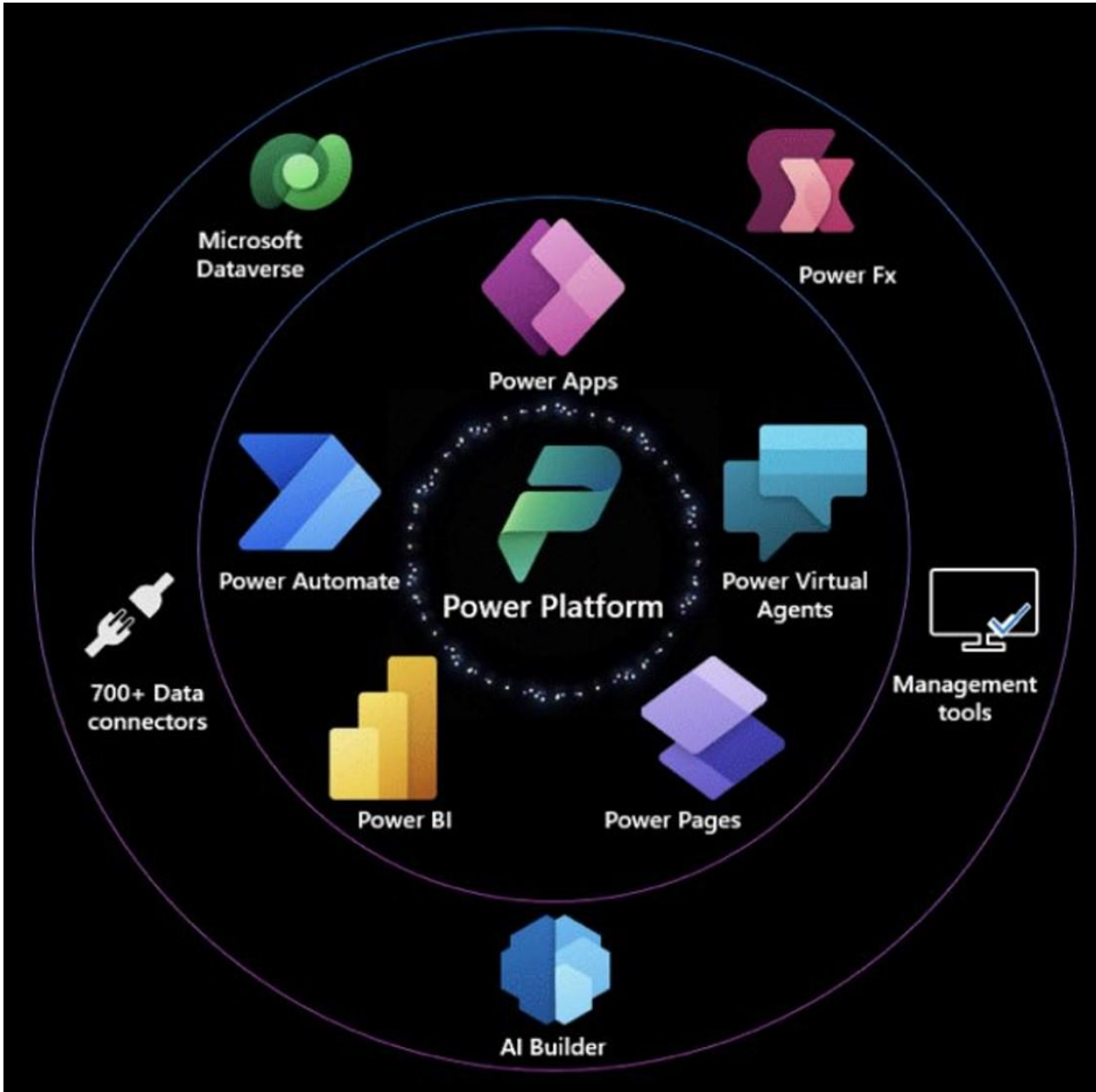
Free 365 Developer Account

<https://developer.microsoft.com/en-us/microsoft-365/dev-program>

Here is the GitHub with the instructions and resources we will use:

https://github.com/jeremynathan/start_powerapps

Microsoft Power Platform



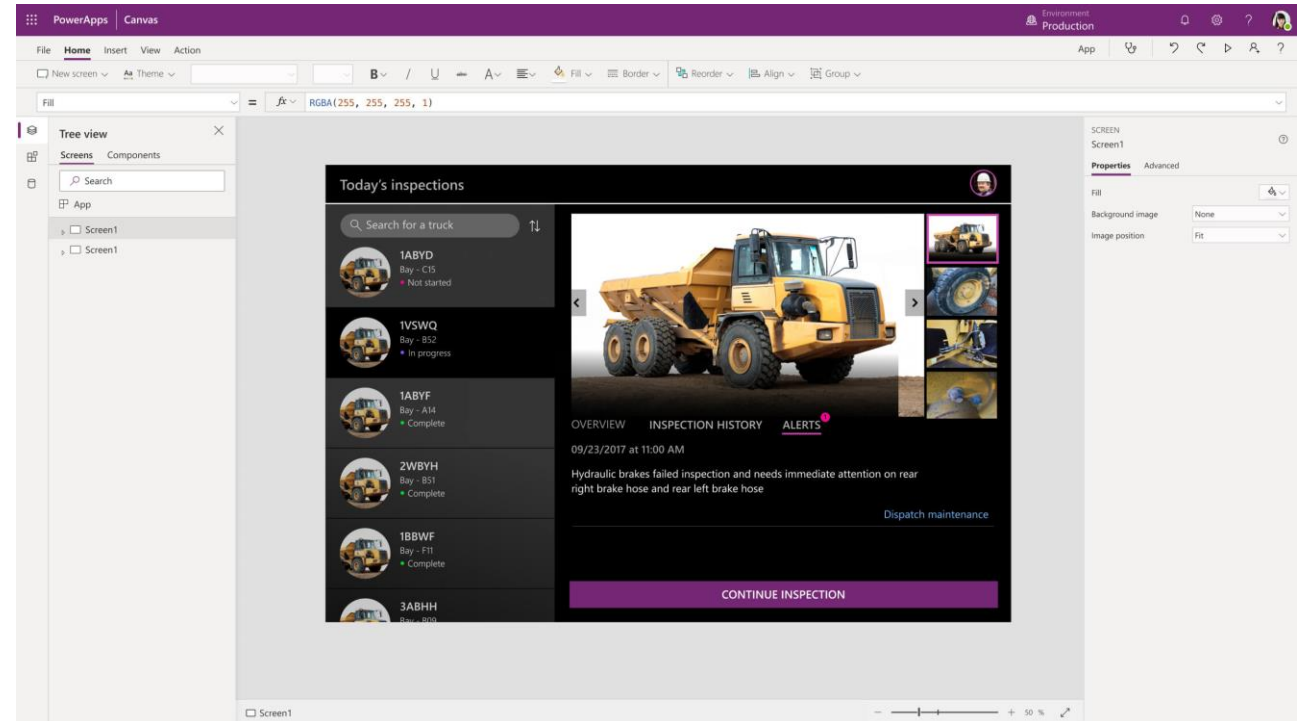
- **Power BI** - Data analysis and visuals
- **Power Apps** – No code apps for business
<https://make.powerapps.com>
- **Power Automate** – Automate business tasks
- **Power Virtual Agents** – Chat bots
- **Power Pages** – External websites
- **Dataverse** – Database for tables of data
- **AI Builder** – Extract text from PDFs and pictures
- **Power Fx** – The code behind Power Apps and Power Automate
- **Dynamics 365** – CRM using Dataverse

Why Use Power Apps?

- 1) Fully control and monitor data structure
- 2) Integrated into the Microsoft ecosystem
- 3) Reduces repetitive work by automating processes

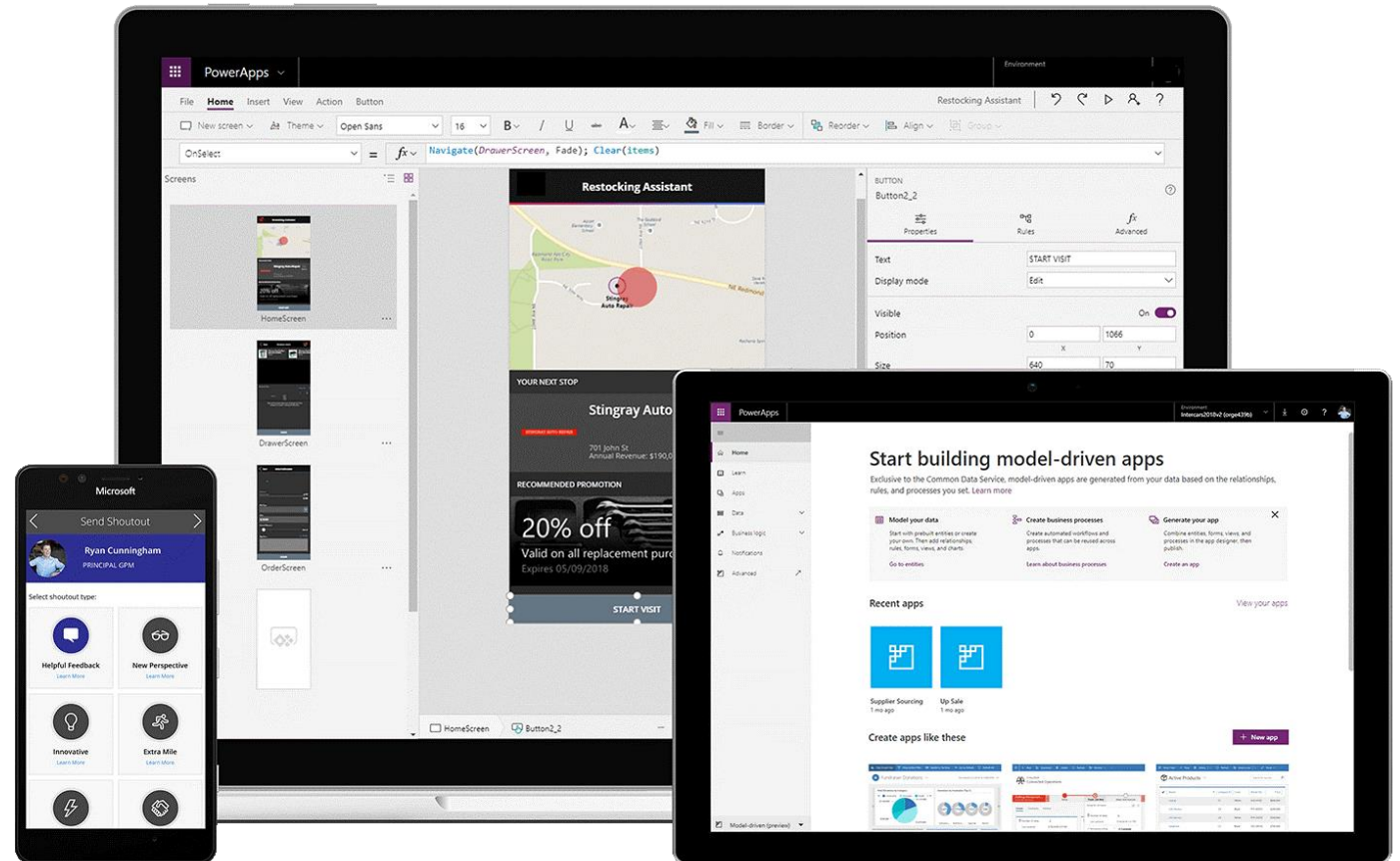
Power Apps Business Use Cases

- Data Entry
- Inventory Tracker
- Customer Service Apps
- Workflow processes
- Office Operations Management
- Maintenance
- Labor Hours



Devices apps can be used on

- Webpage – hyperlink, Teams
- Desktop App – Power App desktop app
- Mobile Device – mobile version



Types of Apps

1) **Canvas** – from data in SharePoint, OneDrive, SQL data, Dataverse data, SharePoint list, Salesforce, and other API connectors


2) **Model-driven** – from data in Dataverse tables

3) **Portal** –internal website

4) **Power Pages** – external website

Device Ordering App

Hello, Jeremy Nathan



Surface	Surface	Surface	Surface
\$499.00	\$599.00	\$899.99	\$999.00
<input checked="" type="checkbox"/> Compare	<input checked="" type="checkbox"/> Compare	<input type="checkbox"/> Compare	<input type="checkbox"/> Compare

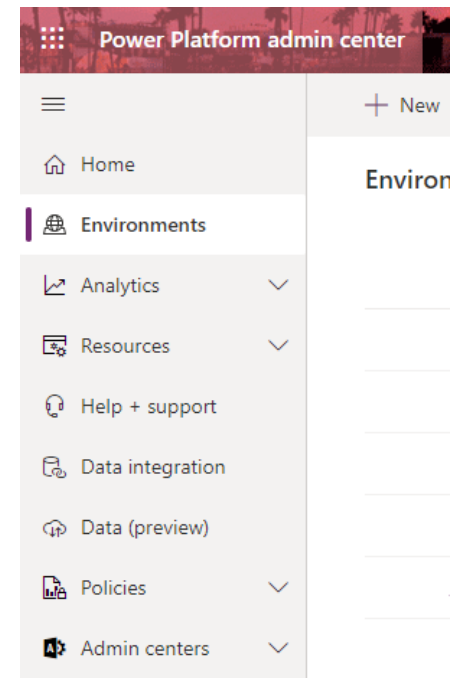
Clear selection

Compare 2 item(s)

Task 1: Create a test environment to create apps using Power Apps

1) Go to <https://admin.powerplatform.microsoft.com/home>

2) Click on environment and +New



New environment

This operation is subject to [capacity constraints](#)

Name *

Your Name Test Environment

Region *

United States - Default

A local region can provide quicker data access

Type ⓘ *

Trial

Purpose

Describe the environment's purpose

Create a database for this environment? ⓘ

Yes

Next

Cancel

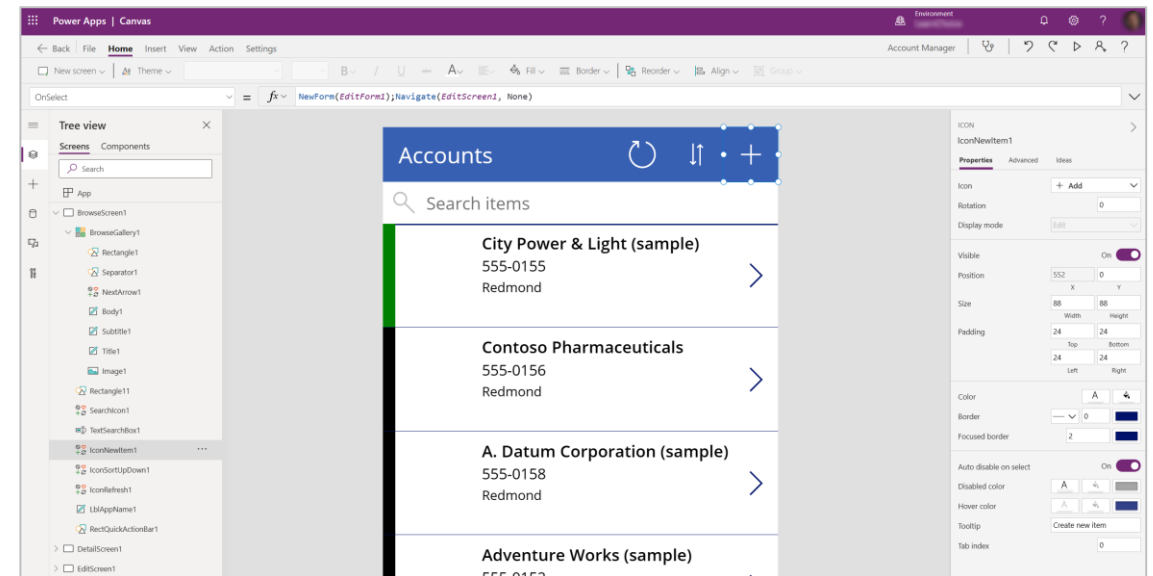
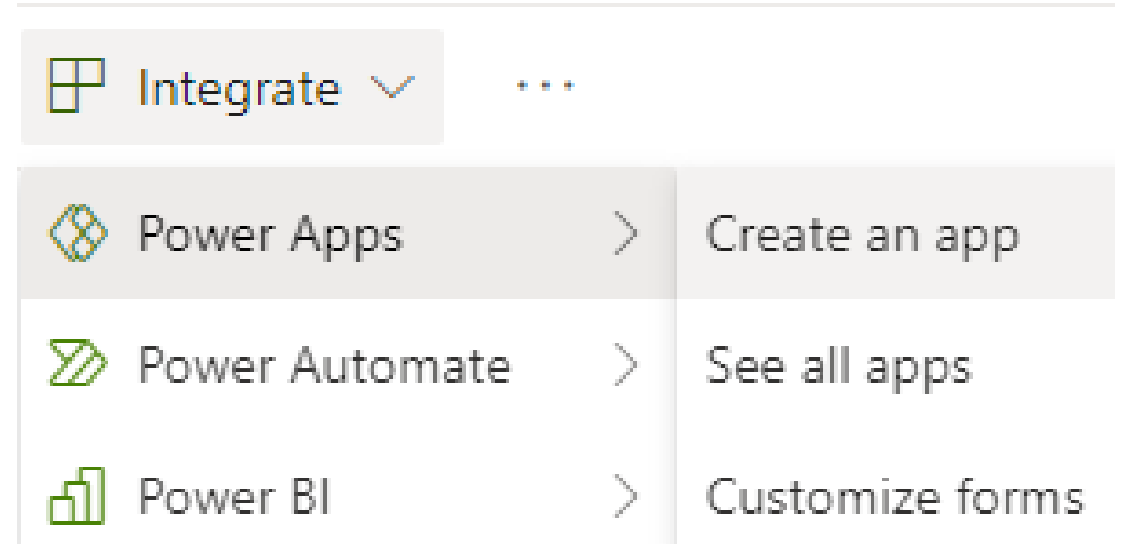
Task 2: Import Data to Dataverse

- 1) Go to <https://make.powerapps.com>
 - 2) Click on Dataverse, Tables, Import, **Import data**
 - 3) Click on Excel workbook File (on top-left corner of screen)
 - 4) Click on Upload file – **Browse button**
 - 5) Sign in to your Organizational account (your work email) and click Next button
 - 6) Check the box next to the Sheet name(s) (similarly as Power BI) and click Next
 - 7) Check each column's data type and change if necessary for business requirements
 - 8) Click on Add new step
 - 9) Change the Sheet name to what you want for the table name and click Next
 - 10) Select Load to new table, type in Table name
 - 11) Column mapping - Unique primary name column **ID** to Alternate key columns – **None**
 - 12) Select Refresh automatically
 - 13) Click Publish
- * It can take several minutes where you will see notifications that the data upload is running on the bottom of the screen

Task 3: Blank Canvas App from SharePoint List

STEPS:

- 1) Go to the SharePoint site where List is located
- 2) Click on Site contents
- 3) Click on List name
- 4) Click on Integrate, Power Apps and Create an app
- 5) Type in a name for your app
 - Make sure your app is descriptive, unique and easy to remember
 - This creates an app in your Organization's environment
 - Press F5 key to preview app

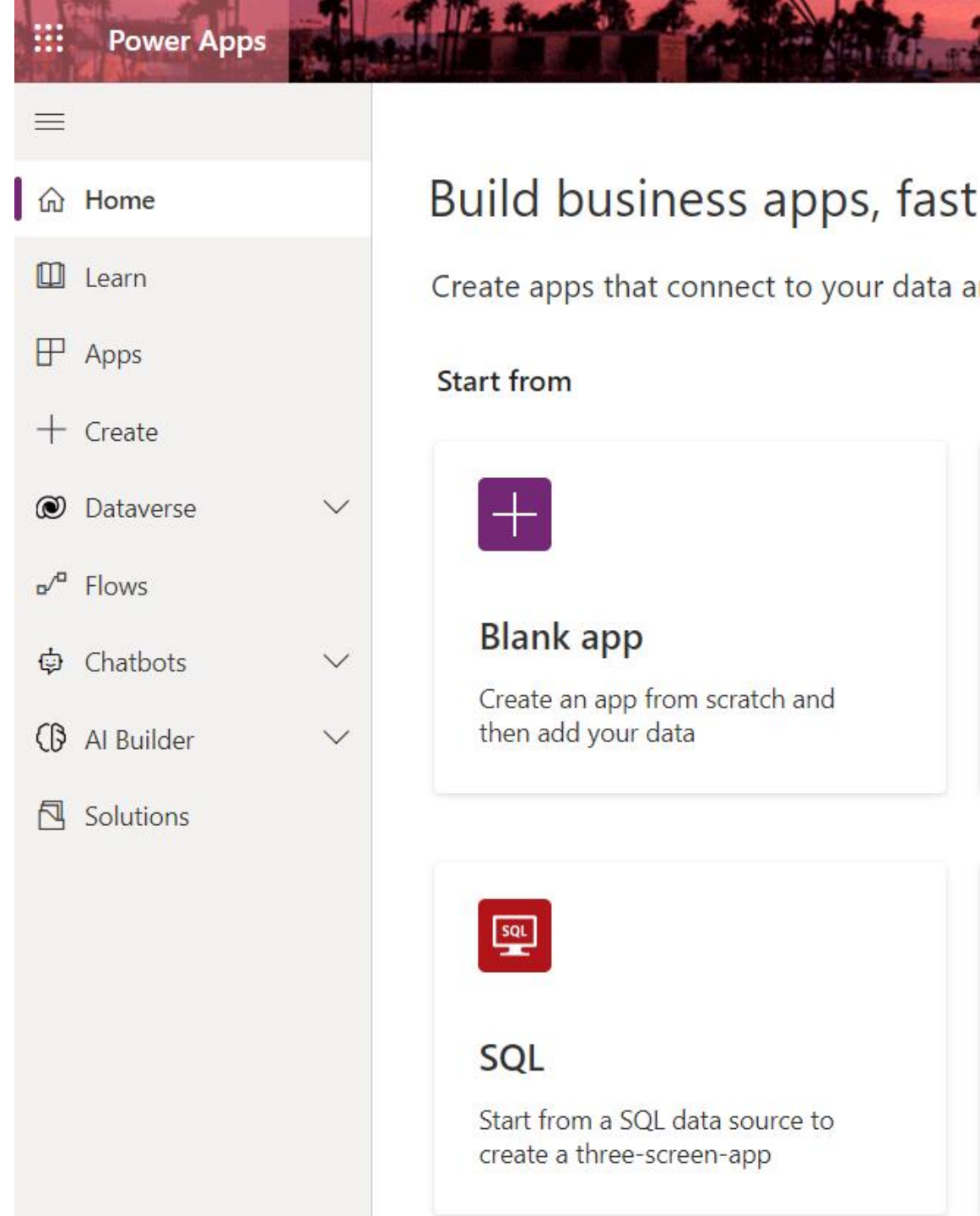


Task 4: Power App from SQL Table

STEPS:

1. Create a data gateway by downloading and installing a standard gateway
<https://docs.microsoft.com/en-us/data-integration/gateway/service-gateway-install>
2. Click on Download the standard gateway link
3. In Power Apps click on New and SQL

* You need a Power Apps per user license to use a premium connector like SQL





Task 5: Power Pages

<https://make.powerpages.microsoft.com>

Example Site:

<https://powerplatformintegration.powerappsportals.com>

Click on + Create a site button, choose a template

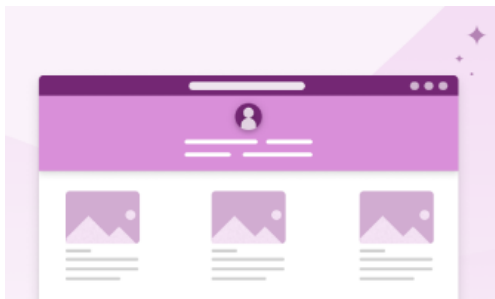
Click Next, Give your site a name, type in a unique web address

Click Done and start designing the site

* You can share the URL with anyone to visit the site

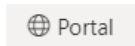
Task 6: Portal App

- 1) In the Power Apps Home page, click on Blank
- 2) Click on Create a blank website
- 3) Type in a name for your Portal app and an address

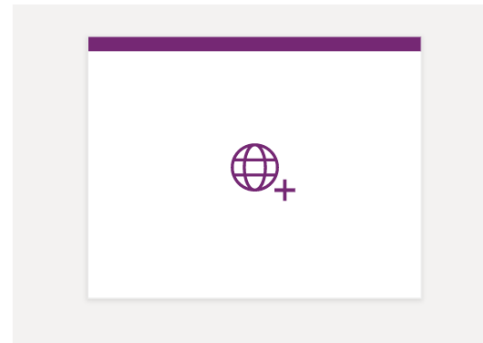


Blank website

Create a no-code website for internal or external audiences. Customize it to get the features and the look you want. [Learn more](#)



← Portal from blank



Create a website to share data with external and internal users. This template comes with sample pages to get you quickly started. [Learn more](#)



TIP: We'd need to install portal solution packages on this environment, and this may take a while. To try portals quickly, use an environment with the required packages already installed or create a new environment using the link. [Create new environment](#)

Name *

Address * ⓘ

Language

☐ Use data from existing website record ⓘ

By clicking on Create, you agree to the [Terms and Conditions](#) and the [Terms of Service](#).

[Privacy and Cookies](#)

Create

Cancel

Create

*This will take several minutes, up to half an hour to an hour to run until complete

Task 7: Share Apps

- 1) **Ownership** - to edit or modify an app
- 2) **Access** – the platform in which you share the app
Teams link, Power BI embedded



Q & A

What questions do you have?

Ask now in the Q & A section or email
jnathan@jncomputertraining.com

It was great working with you; see you
next time!

-Jeremy Nathan

